

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(37 CFR 1.98(b))

ATTY DOCKET NO.: 225

SERIAL NO.: ~~8,555,002~~

10/080,074

APPLICANT: Lin et al.

FILING DATE: 11/7/97

GROUP ART UNIT:

1622
1623

U.S. PATENT DOCUMENTS

EXAMR'S INITIALS	PATENT NO.	ISSUE DATE	PATENTEE	CLASS/ SUBCLASS	FILING DATE
<i>SPW</i>	4,233,402	11/11/80	Maggio et al.	_____	4/5/78
<i>SPW</i>	5,668,272	9/16/97	Prasad et al.	_____	6/30/95
<i>SPW</i>	5,728,528	3/17/98	Mathies et al.	_____	9/20/95

FOREIGN PATENT DOCUMENTS

EXAMR'S INITIALS	PATENT NO.	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES/NO
<i>SPW</i>	0 487 289 A2	5/27/92	EP	_____	_____

OTHER DOCUMENTS

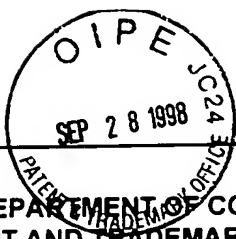
EXAMR'S INITIALS	ARTICLE

EXAMINER

DATE CONSIDERED

6/16/99

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EXAMR'S INITIALS	PATENT NO.	ISSUE DATE	PATENTEE	CLASS/ SUBCLASS	FILING DATE
SPW	5,286,717	2/15/94	Cohen et al.		11/16/92
	5,502,177	3/26/96	Matteucci et al.		9/17/93
	5,594,121	1/14/97	Froehler et al.		6/7/95
	5,614,617	3/25/97	Cook et al.		7/1/91
	5,614,622	3/25/97	Iyer et al.		8/24/95
	5,623,068	4/22/97	Reddy et al.		3/1/95
	5,645,985	7/8/97	Froehler et al.		11/25/92

FOREIGN PATENT DOCUMENTS

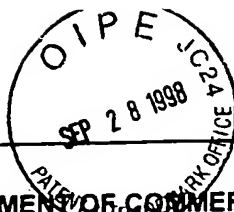
EXAMR'S INITIALS	PATENT NO.	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES/NO
SPW	62-059293 A2	3/14/87	JAPAN	/	Yes
	EP 0 541 153 A1	5/12/93	EUROPE	/	
	WO 88/10264	12/29/88	PCT	/	
	WO 90/15065	12/13/90	PCT	/	
	WO 91/06626	5/16/91	PCT	/	
	WO 91/06629	5/16/91	PCT	/	
	WO 92/02258	2/20/92	PCT	/	
	WO 92/20702	11/26/92	PCT	/	
	WO 93/10820	6/10/93	PCT	/	
	WO 93/13121	7/8/93	PCT	/	
	WO 93/24507	12/9/93	PCT	/	
	WO 96/05298	2/22/96	PCT	/	
	WO 96/37504	11/28/96	PCT	/	
	WO 97/14706	4/24/97	PCT	/	
SPW	WO 97/28176	8/7/97	PCT	/	

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1623

EXAMR'S INITIALS	PATENT NO.	PUBLICATION DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES/NO
SPW	WO 97/31008	8/28/97	PCT	—	
SPW	WO 97/32888	9/12/97	PCT	—	

OTHER DOCUMENTS

EXAMR'S INITIALS	ARTICLE
SPW	Bell, et al., "Highly Effective Hydrogen-Bonding Receptors for Guanine Derivatives", 34(19):2163-2165, ANGEW CHEM INT ED, 1995
	Dande, et al., "Regioselective Effect of Zwitterionic DNA Substitutions on DNA Alkylation: Evidence for a Strong Side Chain Orientational Preference", 36:6024-6032, BIOCHEM, 1997
	Haginoya et al., "Nucleosides and Nucleotides. 160. Synthesis of Oligodeoxyribonucleotides Containing 5-(N-Aminoalkyl)carbamoyl-2'-deoxyuridines by a New Postsynthetic Modification Method and Their Thermal Stability and Nuclease-Resistance Properties", 8:271-280, BIOCONJ CHEM, 1997
	Lin et al., "Tricyclic 2'-Deoxycytidine Analogs: Synthesis and Incorporation into Oligodeoxynucleotides Which Have Enhanced Binding to Complementary RNA", 117:3873-3874, J AM CHEM SOC, 1995
	Matteucci et al., "In pursuit of antisense", 384(7):20-22, NATURE, 1996
	Prober et al., "A System for Rapid DNA Sequencing with Fluorescent Chain-Terminating Dideoxynucleotides", 238:336-341, SCIENCE, 1987
	Ueno et al., "Effects of 5-(N-aminoethyl)carbamoyl-2'-deoxyuridine on endonuclease stability and the ability of oligodeoxynucleotide to activate RNase H", 25(19):3777-3782, NUC ACIDS RES, 1997
SPW	Uhlmann et al., "Antisense Oligonucleotides: A New Therapeutic Principle", 90(4):543-584, CHEM REV, 1990

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